

ABSTRACT OF THE DISCLOSURE

A semiconductor cooling device includes a cold plate for cooling a semiconductor element, a condenser, and a positive-displacement refrigerant pump.

- 5 The cold plate, condenser and refrigerant pump are fluid connected in series with each other to define a refrigerating cycle. A centrifugal refrigerant pump can be used in place of the positive-displacement refrigerant pump. In this case, it is preferred that a receiver tank be interposed between the condenser and the refrigerant pump.